

Memo

To: Sweetheart Cup and Miscellaneous Spill File
From: Karen Chandler
Date: September 25, 2000; 1:10 p.m.
Subject: Red Flow in Creek at Ozark Power Center - 1660 E. Chestnut Expressway

This afternoon I went by the Ozark Power Center to check the creek. The Jordan Creek at this location was a dark magenta red. I immediately went to Sweetheart Cup and checked the water in the storm sewer grate in their front parking lot. The water was black. I scooped up some of the water in a glass jar and contacted Mr. Lee Herndon. He came out to the front parking lot with me and we checked the grate again. I scooped some more water and it was still black, but we could see some purplish-red highlights in it. Mr. Herndon contacted Russ Hagler and the three of us checked the storm sewer manhole on the lawn where the sampler is set up. The water in this storm sewer outfall was a clear with a magenta tinge. We also looked in the storm sewer grate in the back parking lot by the boiler room, but this outfall was clear. Russ Hagler contacted the operator in the ink room in the LTC area. She had rinsed out pails and buckets containing red, blue and black ink during the last hour. Lee Herndon, Russ Hagler, Bill Gann and I went to the LTC area. The sanitary sewer is in the floor by the ink storage and washing room and runs by the restrooms in this part of the plant. Lee Herndon asked if we could give them some fluorescent dye so they could do some dyeing to figure out how this sanitary sewer discharge is getting into the storm sewer. We also discussed the possibility of using the City's television camera to check their sewer line for cross connections.

September 26 - Randy Lyman talked to Cindy Davies at MDNR about this situation. I took some non-flourescent blue dye, some flourescent green dye, and the paperwork Russ Hagler will need to complete in order to use the flourescent dye to Sweetheart Cup. I also informed him that he needed to contact DNR and report this situation.

September 28 -This morning Russ Hagler called me and asked if we could give them four more containers of dye. He also asked about us televising the line in the near future. I told him that we would have to charge him for the dye if we give them a large quantity. I mentioned that we get ours at Pit and Mine Industries at 2201 W. Battlefield and took another bottle of blue dye to Sweetheart Cup, since he wanted to start dyeing drains this morning. Russ called me back and said he had contacted Pitt and Mine Industries and they had blue, red and green nonflourescent dye. He would like to use red dye because it would be easier to see. I told him he should have them give him a letter certifying that the red dye is nonflourescent. I also told him that I had talked to Bob Reilly about televising the line. Bob said they can do it whenever Sweetheart Cup is ready.

September 28, 2000

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At 10:20 a.m. Eric Harris of DNR called me about this incident. I told him what I had found on September 25th and will fax copies of the memos and the sample results from August.


Karen Chandler

IPP

cc: Randy Lyman, Pretreatment Coordinator
Eric Harris, MDNR

INTEROFFICE MEMORANDUM

TO: SWEETHEART CUP PRETREATMENT FILE
FROM: JOHN D. WAITMAN *JW*
SUBJECT: DYE RELEASE TO JORDAN CREEK
DATE: 3/15/2004
CC: RANDY LYMAN

On March 10, 2004 at 10:20, I received a phone call while in the field from Randy Lyman to respond to a complaint from Ozark Power Center, 1660 E. Chestnut Expy, claiming a "red" color in Jordan Creek. The creek travels underneath Chestnut Expressway and daylight in the parking lot at Ozark Power Center.

Upon arrival, I observed a reddish purple staining in the water, which caused the water to be very turbid and cloudy. I took a representative sample of the water at 10:35 for lab analysis. At 10:38, Carrie Lamb of the City of Springfield Stormwater unit arrived at Ozark Power Center. Ms. Lamb and I traveled to several areas around the Chestnut and Glenstone intersection where we could view water within the City stormwater sewer. We arrived at Sweetheart Cup and observed the water leaving their property with a light pink tint. I obtained a sample of this water leaving their property at 11:05. From Sweetheart, we traveled to the location where Jordan Creek intersects Fremont Avenue in from of Yarbrough Machine Shop at 514 North Fremont. The water within the creek at this location was light blue, caused by a dye or pigment of some type. A sample was collected 100' upstream of the Fremont bridge at 11:20.

From this location, Ms. Lamb and I traveled to National Avenue near Dennis Oil Company at 545 N. National. The water at this location approximately 100' west of National Avenue was observed to be clear be populated with many small fish that appeared to be healthy and active.

Dissolved oxygen levels were taken at all sites and were found to be ranging from 7.25-9.4 mg/L. No irregular or unexpected pH levels were observed. All water quality samples were taken to the City of Springfield lab and released at 13:30. Parameters analyzed were BOD₅, TSS, Ammonia, and metals (City Pretreatment Standards). A small sample of the water was given to Karen Chandler of the Pretreatment Unit to take to Sweetheart Cup officials.

1660 E Chestnut Expy.

Do. - OZARK Power Center 8.7

Fremont 9.4

Dennis Oil (National) 7.25

Memo

To: Miscellaneous Spill File
From: Karen Chandler
Date: September 13, 2000; 1:45 p.m.
Subject: Red flow in Creek at Ozark Power Center - 1660 E. Chestnut Expressway

This afternoon, Bob Reilly called me and said there was red water in the creek at Ozark Power Center. Bob said personnel at the dealership said the color was really strong in the creek yesterday. I went to the storm box at Ozark Power Center's lot after Bob called. There was a small pool of a purple-red substance trapped behind some rocks in the storm box and the creek was clear below. I then checked the following locations:

Sweetheart Cup's parking lot storm sewer opening - water was clear.


Evangel College's parking lot storm sewer opening - water was clear.

Central Street storm box opening - water was clear.

East 6th Street storm box opening - water was clear.

Brower Street storm box opening - water was clear, however there was a dead cat lying in the water here. The fur on cat's white stomach and legs had a purplish substance sticking to it where the water was flowing under the body.

When I returned to the office, Bob Reilly thought it might be a good idea for three or four of us to return to this area next Tuesday, because these last two red flows have occurred on a Tuesday. We could then each watch a different storm box.


Karen Chandler
IPP

cc: Randy Lyman

Memo

To: File - Sweetheart Cup
From: Gene Pabst
Date: August 2, 2000
Subject: Red flow in South Jordan Creek

On August 2, 2000, at approximately 10:15 A.M., this office received a call from Bob Schaefer stating that Channel 10 TV News had just called him and said South Jordan Creek was red at Conco Cement Company. I immediately went to the storm box opening at Ozark Power Center to look at the water at that location. The water appeared to be a slight red color. There was a red scum on the water around some rocks. I took a sample of the water and scum. The sample of the water appeared to be a purple color. The scum made a purple coating on the bottle. I then went to Sweetheart Cup. I took a sample of the water being discharged to the storm sewer from the grate in their front parking lot. The water did not have any color to it. The scum on the bottom of pipe appeared to me to have a purple tint to it. Karen Chandler went in to get the Plant Engineer. The plant engineer did not think the problem was theirs. We discussed the problem with them and told them that we thought it was coming from them. We also told them that water goes through the proposed Jordan Valley Park and that having a problem like this would not be good. We looked in their storm sewer manhole at the Southwest corner of their building. The water appeared to be clear. Karen tried to get a sample of the scum on the bottom of the pipe. The scum appeared to Karen and I to be purple in color. We told them that we would go back to our office and look at the map we made when we did a dye test at their facility. We thought we might be able to come up with something by looking at this map. We told the Sweetheart personnel that we would call them around 1:00 P.M. and bring over a copy of our dye test map for them to review. I then checked the creek in the following locations:

- 11:45 A.M. Checked South Jordan Creek at Fremont St. The water had a light purple tint to it and there was some scum on the water around the rocks and brush.
- 11:50 A.M. South Jordan Creek had red/purple tint at National St.
- 11:53 A.M. South Jordan Creek had a purple tint at J.Q. Hammons Blvd.
- 11:55 A.M. South Jordan Creek had a red/purple tint to it at Washington St. I took a sample of the water.

1660 E. CHESTNUT EXP.

12:00 A.M. South Jordan Creek had a red/purple tint to it at Main St.

12:05 A.M. South Jordan Creek had a red/purple tint to it at Fort St. There were fish swimming in the water at this location.

12:07 A.M. South Jordan Creek has clear at Walnut St.

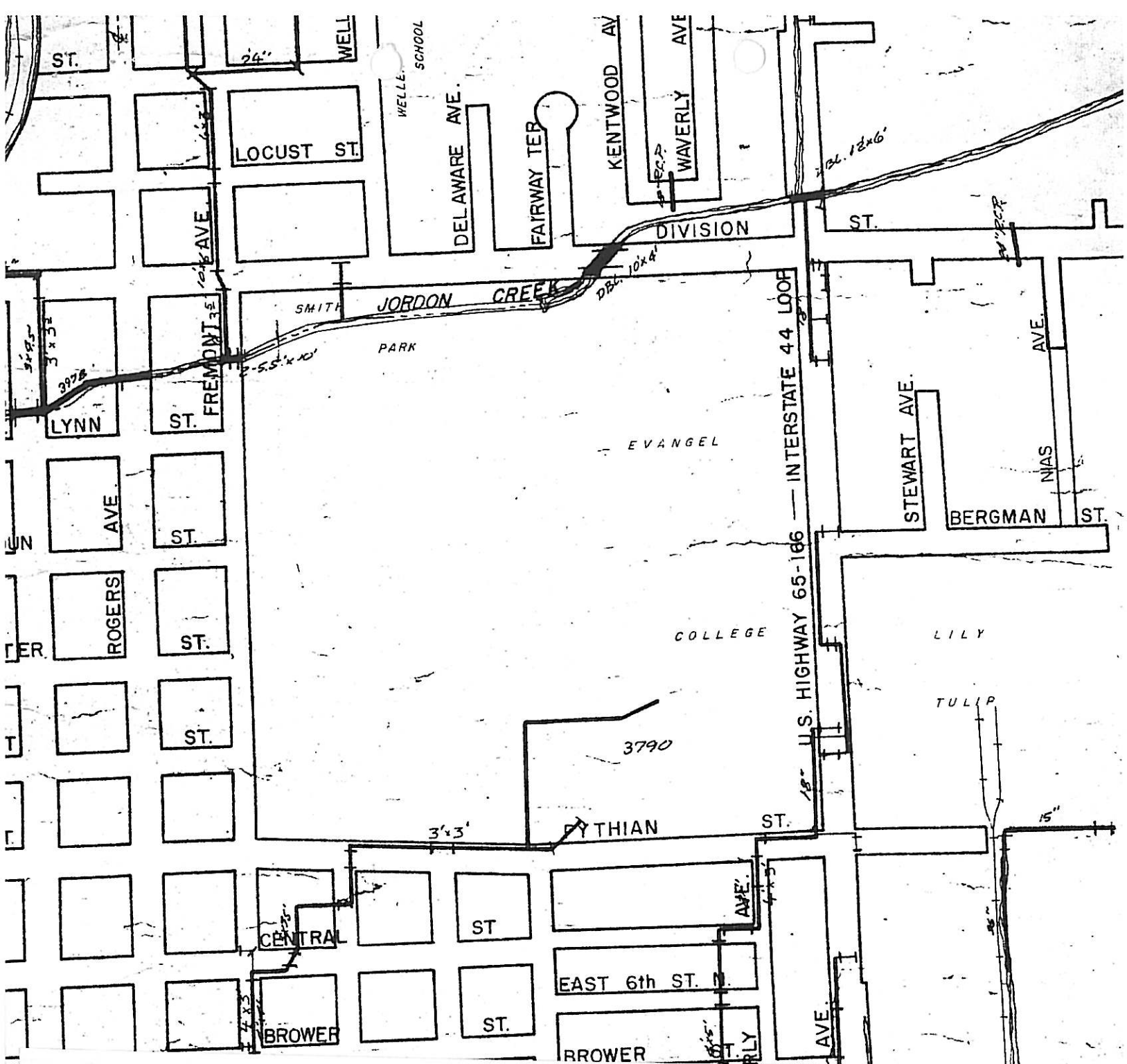
Karen Chandler met with Lee Herndon, Russ Hagler, Bill Gann and other maintenance personnel at 1:15 P.M. We met at the south end of the plant. Bill Gann showed me a spot in the lot by the storm grate which was wet, which he said is always that way. They reviewed the City dye trace map. Sweetheart made a copy of the map so they could go through their plant with the map. Mr. Herndon did some checking in the plant and said nothing unusual had occurred today. No ink had been dumped in the LTC ink room since 7:00 a.m. this morning. No ink had been discharged to the sewer in the print shop today. I mentioned our idea that there is possibly a defect in their sewer line that occasionally allows sewage to flow out of the line and into the storm sewer. The maintenance personnel said that the tracks had been redone behind the building. We discussed the possibility that the sewer line could have been damaged by this activity. Mr. Herndon said that they were going to set up their automatic sampler to see if they could catch any discharge to the storm that might have color to it. He said they will dump the sampler every morning. The Sweetheart personnel don't think the red discharge is coming from them.

At 3:40 P.M. Randy Lyman and Gene Pabst checked the City sanitary sewer above Sweetheart Cups storm water discharge along Glenstone St. There was no evidence that the City sanitary sewer had backed up.

August 3, 2000 - 9:50 a.m. Russ Hagler called me (K. Chandler) and said an employee told him that there was a story on the news last night that the source of the red flow in the creek had been found. The report said that paint had been found in the creek behind Springfield Paintball on 601 N. National. I hadn't heard this story and neither had anyone else in the office. I mentioned to Mr. Hagler that the red flow in the creek was well above where the paintball building was located.

August 4, 2000 - 9:00 a.m. I met with Lee Herndon and Russ Hagler this morning to do the annual inspection. I gave them a copy of the storm sewer map of the area with the location of the Ozark Power Center marked on it. We discussed the situation again. Mr. Herndon is still not convinced that they are the source of the problem. He said they will start sampling the storm sewer discharge on Monday for at least a months time. They will then decide if they think they need to keep sampling.


Karen Chandler
IPP



City of Springfield
Water Pollution Control Section
Pollution Complaint/Report Form

Date 6/29/98

Report From: ☐ Citizen
☐ Fire Dept.
☐ Public Information Office
☐ Health Department
☒ Other Mike McKinnis, Sweetheart Cup

Received By: K. Chandler
Referred To: _____
Date of Incident: _____

Complainant Information: Name Charles Edel
Address 1660 E. Chestnut Ewing
Phone 866-5588
Directions (if needed): where stormwater discharges after it leaves Sweetheart

Responsible Party Information: Name Sweetheart / City sewer line
Address _____
Phone _____

Possible contamination of: ☐ soil ☐ groundwater
☒ surface water what body? _____
☐ other _____

Other pertinent information: _____

Who to contact:

<input type="checkbox"/> DNR 417-837-6950	<input type="checkbox"/> Health Dept.
<input type="checkbox"/> DNR 314-634-2436	<input type="checkbox"/> Sewer Maintenance
<input type="checkbox"/> EPA 913-236-3778	<input type="checkbox"/> Sewer Construction
<input type="checkbox"/> Fire Dept. 864-1719	<input type="checkbox"/> Chemtrec 1-800-424-9300
<input type="checkbox"/> Police Dept. 864-1719	<input type="checkbox"/> DOT
<input type="checkbox"/> Bob Schaefer	<input type="checkbox"/> NRC 1-800-424-8802
<input type="checkbox"/> CU 831-8320	<input checked="" type="checkbox"/> Other <u>Service Center</u>
<input type="checkbox"/> Street Dept.	<u>Wayne Salines</u>

Details of incident: Mike McKinnis called to say he had gotten a call from Oak Power Center 1660 E. Chestnut about a blue discharge in the storm box. He checked Sweetheart's Outfall 002 and it was blue. He said the stormwater discharge was clear.

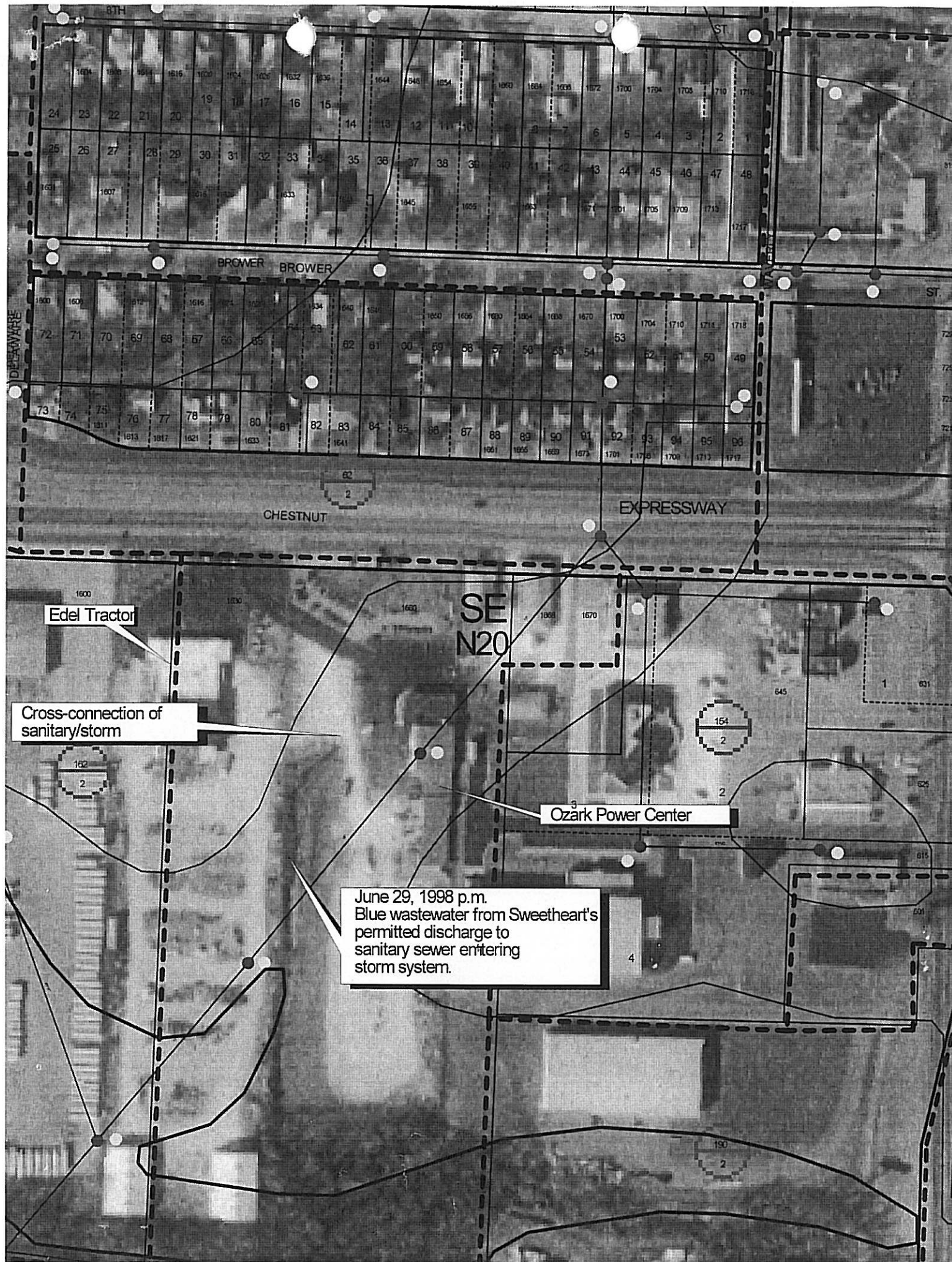
Action needed: Check storm box, call Service Center to check line. Get with Wayne Salines.

(over)

ADDRESS 1660 E. Chestnut

Investigation Results

I checked the stormbox behind the
Oriskany Power Center. Mr. Bell came out to talk to me
while I was there. The water was clear at this
time but he said it was very blue just half an
hour ago. There was one small pocket of
blue and some weeds on one side of the box.
I told him I would try to get someone from
the service center checked. I called
Nancy at the Service Center & she said
there was only one person there and he
was on light duty. Randy talked to Nancy
later about this on 6/3/98.



8-26-98

Karen,

Leon said he
fixed Sweetheart
Cross Connection
Gene



 **KUBOTA**

OZARK
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Charles B. Edel

President

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